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NATIONAL GEOGRAPHIC

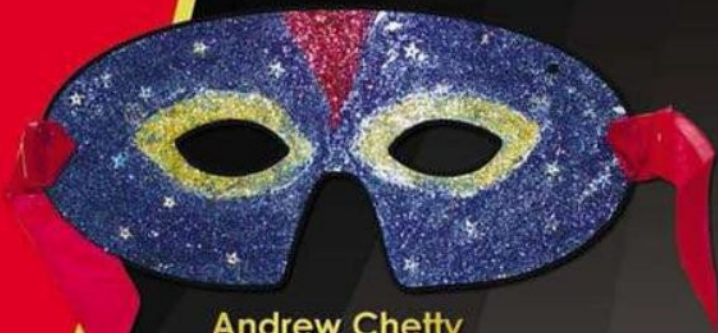


Issue 82 June 2011 R25,95 (VAT incl.)



CONGRATULATIONS!

To all the winners of the Design a Mask Competition



Andrew Chetty



Heika Edeling



Suzanne Wust



J P Nel



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HI, KIDS

WRITE TO US!

Send us your letters, birthdays, pictures and comments. We want to hear from you, so start writing!

- Write to us at: *The Editor, NG KIDS, P.O. Box 2271, Cape Town 8000.*
- Send us an e-mail to fiona@ngkids.co.za or SMS* us a letter to "NGK Letters" 34970.
- Now you can also MMS* us your pics to 082-0080-337.

*Standard rates apply for SMSs and MMSs, so ask your parents first! Free SMSs do not apply. See www.ngkids.co.za for terms and conditions.

I have some

fantastic news for NG KIDS readers – we are going digital! This means if you want to see your favourite magazine on a screen, you can download it to your e-reader from a website shop called Zinio. It will cost the same and look the same as the printed edition. We're all very excited about this as it's a completely new way of seeing magazines. In the future we can add animal sounds and do all kinds of cool things with animation, so watch this digital space! A guy called Steve Ballmer from a massive computer company says people will be getting their magazines and newspapers only digitally in ten years. According to him there will be no more paper magazines! Do you think this will be true? Write and let me know whether you think you will be getting your magazines or books on paper or on the internet when you are grown up. There is no right answer as NOBODY really knows what is going to happen!

This time last year I got dressed up in my Bafana Bafana fan shirt and blew my vuvuzela loudly for my ed's letter pic. I had a great time during the Soccer World Cup. But when it was all over what did we have to show for it? More tourists and more money from overseas investors plus some of the architects and builders of our beautiful stadia got jobs helping build new ones in Brazil for the next Soccer World Cup in 2014. That's all fine and well but we showed that we can pull together to create something really special. Ayoba!

Dare to Explore!



HELP US CELEBRATE OUR BIRTHDAY BY JOINING US FOR A SPECIAL SCREENING OF MR POPPER'S PENGUINS. SEE PAGE 11 TO FIND OUT HOW YOU CAN WIN TICKETS TO THE PARTY.

LETTER OF THE MONTH



DEAR EDITOR,

THIS IS ME ON MY BIRTHDAY RIDING A HORSE NAMED SHABOKRA.
TALIA ALIBER, 8

P.S. I LOVE NG KIDS



SUBSCRIBER OF THE MONTH

This month's lucky subscriber is **Brendon Raath**, 13, from Klerksdorp. He won an awesome **Bostik hamper** stuffed with goodies like **Crazy Clay**, **Bling Bits** and more. Go to page 44 to get some **Boredom-Buster** craft ideas from **Bostik**.

Go to **page 36** to subscribe. You might just be next month's lucky subscriber!



Brendon Raath

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Tsunami!

Everything you need to know about this force of nature.

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Some animals have lots of birthdays, even more than a hundred!

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{inside} SCOOP

Piggy in the middle



On 15 June 2011, the earth, the sun and the moon will be lined up. The earth will be in the middle to cause a total lunar eclipse. The light from the sun is blocked from the moon. So why is the moon red in the photograph?

The sunlight that passes through Earth's atmosphere is scattered or split up into different colours or wavelengths and it is mostly the red part of the spectrum that hits the moon. You can ask your Natural Science teacher more about this at school!

DID YOU KNOW?

Planetary scientists are asking us to help them explore the moon. No spacesuits or spaceships are needed, just a web browser. New pictures taken by NASA's Lunar Reconnaissance Orbiter Camera (LROC) can be seen at www.moonzoo.org. You can go to the site and count craters and boulders or look for anything unusual like bits of old spacecraft.



Catch that choir

The Tygerberg Children's Choir will be performing on 5 June in Parow outside Cape Town. The choir, currently ranked fourth in the world after they scooped several awards in the sixth World Choir Championships in China last year, have a new CD out. It's called *Champions in Song* and is "la-la-la-vely"!



A leafy year

Forests are in the spotlight – not only are they the theme for this year's World Environment Day on 5 June, but the whole of 2011 has been declared the International Year of the Forest. There are many events happening around the world. You can learn how to make a boat made from bark in Sweden or see an art exhibit outside in Paris and grown-ups will be taking part in all kinds of conferences.

5

COOL FACTS

about Forests

- 1 Most birds, insects, mammals (not including humans or domesticated animals), reptiles and amphibians live in forests which is why it's so bad for them if we cut down trees.
- 2 An area the size of a football field is being cut down every two seconds so endangered animals like the orang-utan and gorillas might be extinct before the end of the century.

Is it a bird, is it a plane ...?

It's Superman's Birthday on 30 June. It will have been 73 years since he made his first appearance in the launch issue of Action Comics. Superman is still going strong and his new movie, *Man of Steel* will be released in 2012.



For Your Diary

- 1 INTERNATIONAL CHILDREN'S DAY
- 16 YOUTH DAY
- 19 FATHER'S DAY
- 21 WINTER SOLSTICE – IT'S THE SHORTEST DAY
- 24 END OF TERM

Fred Perry (below) was the last British tennis player to win Wimbledon. He won the men's singles titles in 1934, 1935 and 1936.

Anyone for tennis?

The Wimbledon tennis tournament in London will celebrate its 125th birthday on 20 June. It's the oldest tennis tournament in the world and the only Grand Slam still played on grass courts. When you've been going that long you build up a few traditions. For example, it's traditional

for spectators to eat strawberries and cream. Other traditions are more like rules. Players must wear white clothes but

more recently this rule has been relaxed a bit for those that want a colour trim or a brand name showing. They must also give a little bow to the royals watching from the Royal box.

Queuing for tickets is also a Wimbledon tradition. A few hundred seats are allocated to the best games on centre court or court one for fans without tickets on the day. Often people start queuing the night before.

You get a queue number so you don't have to stay in the queue. The one-millionth queue number was received by a South African, Rose Stanley, in 2010. It's also traditional for the weather to be really cold and rainy during the tournament which is held outside during the English summer!



DID YOU KNOW?

The winners of the Wimbledon men and women's singles titles will each receive a record £1.1 million. That's about R12 million!

3 Cutting down trees, called deforestation, also makes global warming worse.

4 Eighty percent of people living in developing countries depend on forested land for things like fruits and herbs for their health and food.

5 The yellowwood tree is South Africa's national tree. In forests the trees can grow up to 40 metres in height with the base of the trunk sometimes up to three metres in diameter.

ASTONISHING
STORIES FROM
THE FILES OF

Guinness World Records



Giant-horned cattle were sometimes owned by African kings and considered sacred.

GINORMOUS HORNS

Need something to hang your wet bathing suit on? Lurch the African watusi, whose horns have the largest circumference of any steer, could come in handy. Although here he looks as if his horns – nearly one metre around and 2,4 metres from tip to tip – could do some serious damage, his owner calls him a gentle giant. He's given rides to people and even allowed chickens to perch on his horns.



400 STRAWS STUFFED IN MOUTH

This guy must be really thirsty! Simon Elmore of Germany holds the record for the most straws held in the mouth. After cramming two fistfuls of drinking straws into his huge mouth, Simon held them for 40 seconds. We'd love to see the size of his drinking glass.

LITTLE ROBOT TAKES ROAD TRIP

Mr Evolta the robot may have pattered along a racetrack at just over 750 metres per hour, but he's still a winner: the 'bot earned a record for the greatest distance travelled by a radio-controlled model vehicle on one set of batteries. Mr Evolta needed only two AA batteries to complete his journey of 23 kilometres in 24 hours. After his last challenge – scaling the Grand Canyon in under seven hours – this must have been a sweet ride.



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BY MARILYN TERRELL

Check out these outrageous facts.

Bubble wrap was originally invented as wallpaper.

THE LARGEST KNOWN OCTOPUS HAD ARMS LONG ENOUGH TO WRAP AROUND FOUR CARS.



YOU MEAN I DIDN'T ALWAYS LOOK THIS WAY?

STERNUTATION IS A FANCY WORD FOR SNEEZING.

THE UNIVERSE IS ABOUT 13.7 BILLION YEARS OLD.



DALMATIANS ARE BORN WITHOUT SPOTS.

Egyptians made a picture or symbol for swimming as far back as 2500 BC.

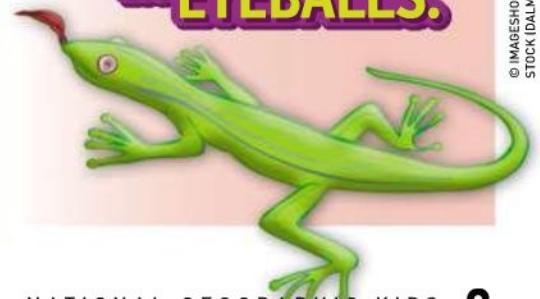
LOBSTERS CAN REGROW MISSING CLAWS.



A TYPICAL HURRICANE WEIGHS AS MUCH AS 90 MILLION HIPPOS.



A GECKO CAN USE ITS TONGUE LIKE A WINDSHIELD WIPER FOR ITS EYEBALLS.



© IMAGESHOP / SUPERSTOCK (BUBBLE WRAP); © RON KIMBALL / KIMBALL STOCK (DALMATIAN); NASA-500DARD SPACE FLIGHT CENTER (HURRICANE)

Incredible Animal Friends

BY AMANDA SANDLIN

HERE'S A
THANK-YOU
KISS FOR
HELPING
ME OUT.



▶▶▶▶ CARACAL GUIDES BLIND BOBCAT

Oregon, America

Grumpy, mean and nearly blind, Bear the bobcat was friendless and alone at the sanctuary where he lived. Staff worried about his mental health until they had an idea: why not introduce him to an equally grumpy cat? That's when Nairobi the caracal moved into an enclosure next door. Almost immediately Bear started rubbing against the fence that separated them, cooing to the caracal. At first "Robi" ignored the bobcat, but soon the caracal offered some friendly tail swishing and rump wriggling.

A few weeks later staff opened the fence. Bear ran to Robi and started gently head-butting him. They quickly became best friends—and more. Robi now acts as Bear's guide cat and is always just a nose length ahead of him. If the bobcat—now totally blind—loses Robi, he'll chirp until the caracal comes back. "Bear is reliant on Robi," says Cheryl Tuller, WildCat Haven director. "Robi takes that as his job." For breaks the two lie in the sun as the bobcat kneads Robi's fur between his paws and purrs. No catfights here!



BEAR THE BLIND BOBCAT FOLLOWS ROBI'S LEAD.

BOBCAT

SIZE 66 to 104 centimetres long (head and body); tail is 10 to 17 centimetres

RANGE America, southern Canada and Mexico

WHAT'S FOR DINNER Mainly rabbits and hares

CLAIM TO FAME Bobcats are named for their stubby, "bobbed" tails.

FUN TO KNOW Bobcats can pounce three metres to catch prey.

MARINE ADNER / NGS STAFF (ALL)

CARACAL

SIZE 60 to 106 centimetres long (head and body); tail is 17 to 33 centimetres

RANGE Africa and the Middle East to India

WHAT'S FOR DINNER Rodents, birds, hyraxes, dik-diks (small antelope) and monkeys

CLAIM TO FAME Most scientists think caracals twitch their ear tufts to communicate with other caracals.

FUN TO KNOW The word "caracal" comes from a Turkish word that means "black-eared."



DID YOU KNOW?

These friends would not normally meet. A bobcat is a member of the cat family that lives in North America whereas the caracal is mainly found in Africa.

NG KIDS
BIRTHDAY EVENT

See MR POPPER'S PENGUINS first with NG KIDS!

It's our **BIRTHDAY** and to celebrate we are offering you and your family the chance to **WIN** movie tickets to see the hilarious movie **MR POPPER'S PENGUINS** at **NU METRO** cinemas.

When: 12 June 2011 at 2 pm

Where: Nu Metro cinemas in:
Johannesburg: Monte Casino
Cape Town: Canal Walk
Durban: Pavilion

Closing date: 6 June 2011

Send your entries to competition@ngkids.co.za and include "Popper's Penguins" and your preferred viewing city in the subject heading. We'll need your name, surname, age and contact number too. Or SMS "NGK Penguins" followed by your name, surname, age and city to 34970*.

*Standard SMS rates apply. Free SMSs don't apply. Please note: only four tickets per family. There are 218 tickets available in Johannesburg, 228 in Cape Town and 199 in Durban. Visit www.ngkids.co.za for terms and conditions. The sponsor reserves the right to exchange the gift with one of equal value.

**3 COOL
HAMPERS
UP FOR GRABS**

**Mr Popper's
Penguins OPENS
IN CINEMAS
NATIONWIDE ON
16 JUNE.**



sports funnies

uh-oh!



I WORK ON MY YOGA POSES WHENEVER I CAN.

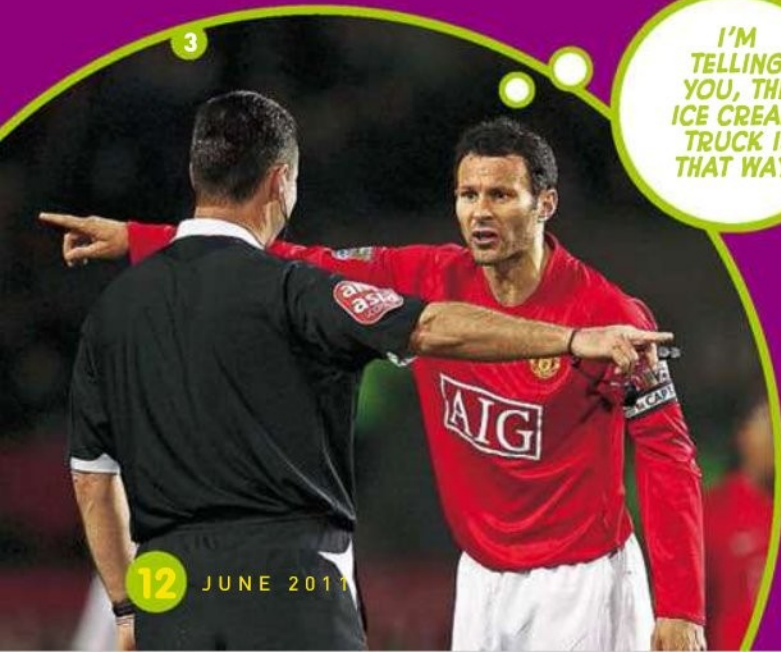


2
Federica Pellegrini of Italy celebrates after winning the women's 400-metre freestyle at the 2009 FINA World Championships in Rome, Italy.

FORGET THE FENCING. I CHALLENGE YOU TO A STARING CONTEST!



4
Russia's Yevgeniya Lamonova, left, duels with Poland's Sylwia Gruchala during the Fencing World Championships in St. Petersburg, Russia, in 2007.

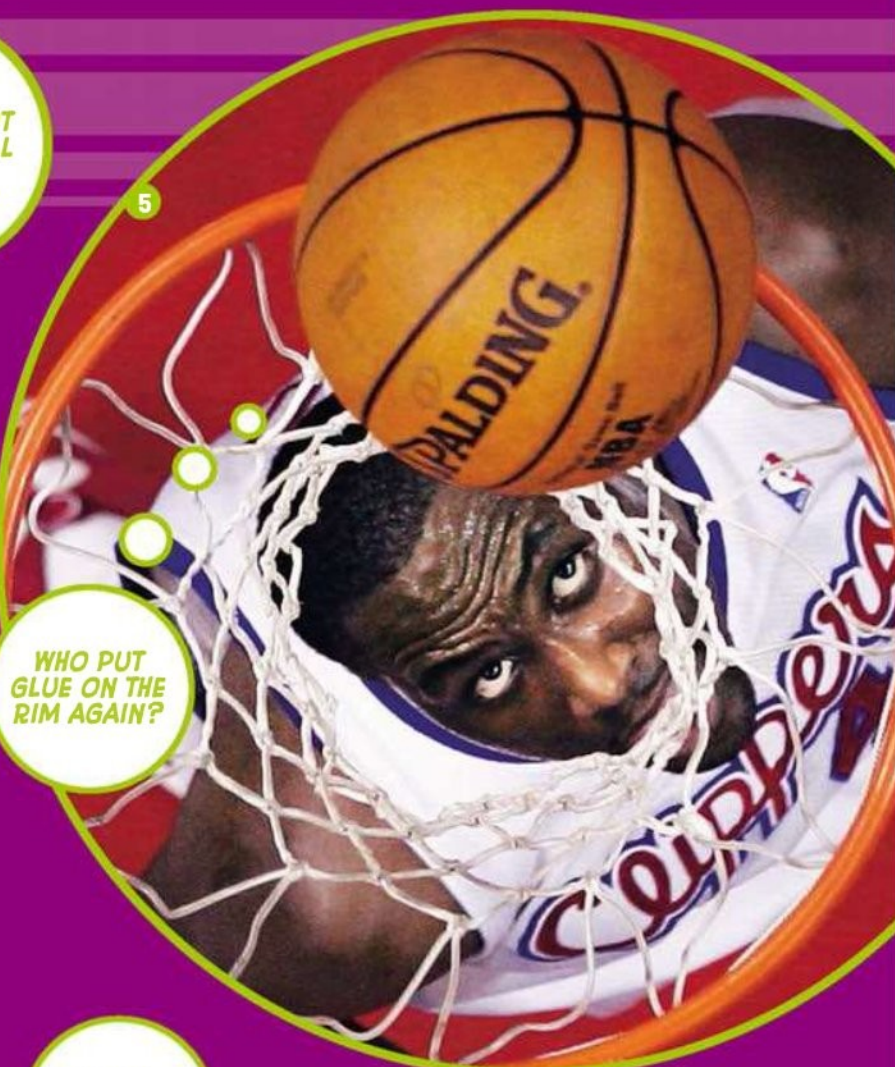


I'M TELLING YOU, THE ICE CREAM TRUCK IS THAT WAY.

Manchester United's Ryan Giggs (in red) disagrees with a referee during a 2007 soccer game in England.

BY KELLEY MILLER

PICK ME FOR SA'S GOT TALENT OR I'LL EAT MY SWIM CAP!



5

WHO PUT GLUE ON THE RIM AGAIN?

LOOK, GUYS, I'M A GECKO!

The Los Angeles Clippers' Elton Brand eyes a rebound at a 2006 basketball game in Los Angeles, California.



6

Kwak Yoon-Gy of South Korea crashes into the padding after an ISU Short Track Speed Skating World Cup race in Vancouver, British Columbia, Canada, in 2008.

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MR POPPER'S PENGUINS



Tommy Popper (Jim Carrey) is a successful New York estate agent who has lost touch with

his family because he works too hard. His life changes when his adventurer father leaves him a Gentoo penguin in his will. Through a series of misunderstandings Tommy receives five more penguins which take over his life!

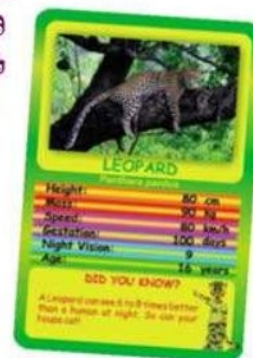


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SEE MR POPPER'S PENGUINS IN CINEMAS FROM 16 JUNE 2011

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Meet the fam

A DAY IN THE LIFE OF A BABOON CALLED CHOBE

BY ROBYN KEENE-YOUNG
PHOTOGRAPHS BY ADRIAN BAILEY

EARLY BIRDS

Can you imagine getting out of bed at sunrise every day of your life? Well, every morning Chobe's dad wakes her up before dawn. He runs and jumps around shouting "Wahoo! Wahoo!" There's no chance of a lazy lie-in for Chobe and her family.

Chobe is a six-month-old chacma baboon that lives in the Okavango Delta in Botswana. It's a swampy place of islands, water channels and forests. Her father is the alpha male, or the highest-ranking member of their troop of 70 baboons. The other adult male baboons soon join Chobe's dad, leaping through the trees barking "Wahoo!" at one another. They are competing to see who can yell the loudest and the longest. If Chobe's dad does not win the competition, he could lose his place as alpha male. Since the whole troop sleeps in the trees, all the shouting chases them out of bed and down to the ground to begin their day.



Family



BABOONS LOVE SWINGING FROM BRANCHES.

PRIMATE'S PARADISE

The Okavango Delta has plenty of everything baboons need to survive, including food, water and tall trees to sleep in. No wonder there are more baboons roaming each square kilometre here than anywhere else in the world.

MONKEYING AROUND

After sitting still the whole night on a branch high up in a tree, Chobe can't wait to run around and play. Nor can the other young baboons. They seem to think nature has built a playground of bushes, termite mounds and fallen logs just for

them. Trees make the best Jungle Gyms. Chobe and her friends swing from the branches and try to wrestle each other to the ground. When they get tired of that, they play king of the castle on tall termite mounds, or hide-and-seek behind thick bushes.

Like in any playground, there are bullies. These are often the bigger kid baboons that play roughly with the little ones. But Chobe just needs to scream and one of her adult relatives will come to her rescue. If the baboon kids really misbehave, Chobe's dad shouts and chases them.

MEET CHOBE, A SIX-MONTH-OLD BABOON LIVING IN THE OKAVANGO DELTA.



GROOMING IS A VERY IMPORTANT SOCIAL ACTIVITY IN BABOON LIFE. PULLING LICE AND FLEAS OUT OF YOUR FRIEND'S HAIR MIGHT SEEM A GROSS WAY TO SHOW THAT YOU LIKE THEM, BUT IT'S A BABOON'S WAY OF MAKING AND KEEPING FRIENDS.



AT THE HAIRDRESSER

While the young baboons play, the adults sit and groom each other.

This morning everyone wants to groom one female in particular. That's because she has a new baby. He has a black coat and he clings tightly to his mother's chest. Baboons, especially females, are very interested in new babies. They pretend to groom the mother, but what they really want to do is touch and smell the infant. Even Chobe stops playing for a bit to peek at the newest member of the troop.

JUNGLE BREAKFAST

The adults are neatly groomed and the little baboons have used up their extra energy playing. It's time for breakfast. Chobe still drinks her mother's milk, but she's also learning to eat all sorts of things she finds around her. Baboons munch on just about everything on the Okavango's menu. They love fruits, seeds, grasses, flowers, bulbs, mushrooms, insects – even birds and small animals if they can catch them. Today they've seen a fig tree dripping with ripe figs. But there's a problem. The tree is on another island and they will have to cross a flooded field to get to it.

Baboons do not like to swim. There could be deadly crocodiles hiding underwater. The troop sits on the shore, grunting, for a long time. Finally one of the males feels brave enough to cross. The rest of the troop quickly follows him. No one wants to be left behind. Luckily the water is quite shallow and the baboons can wade through it.

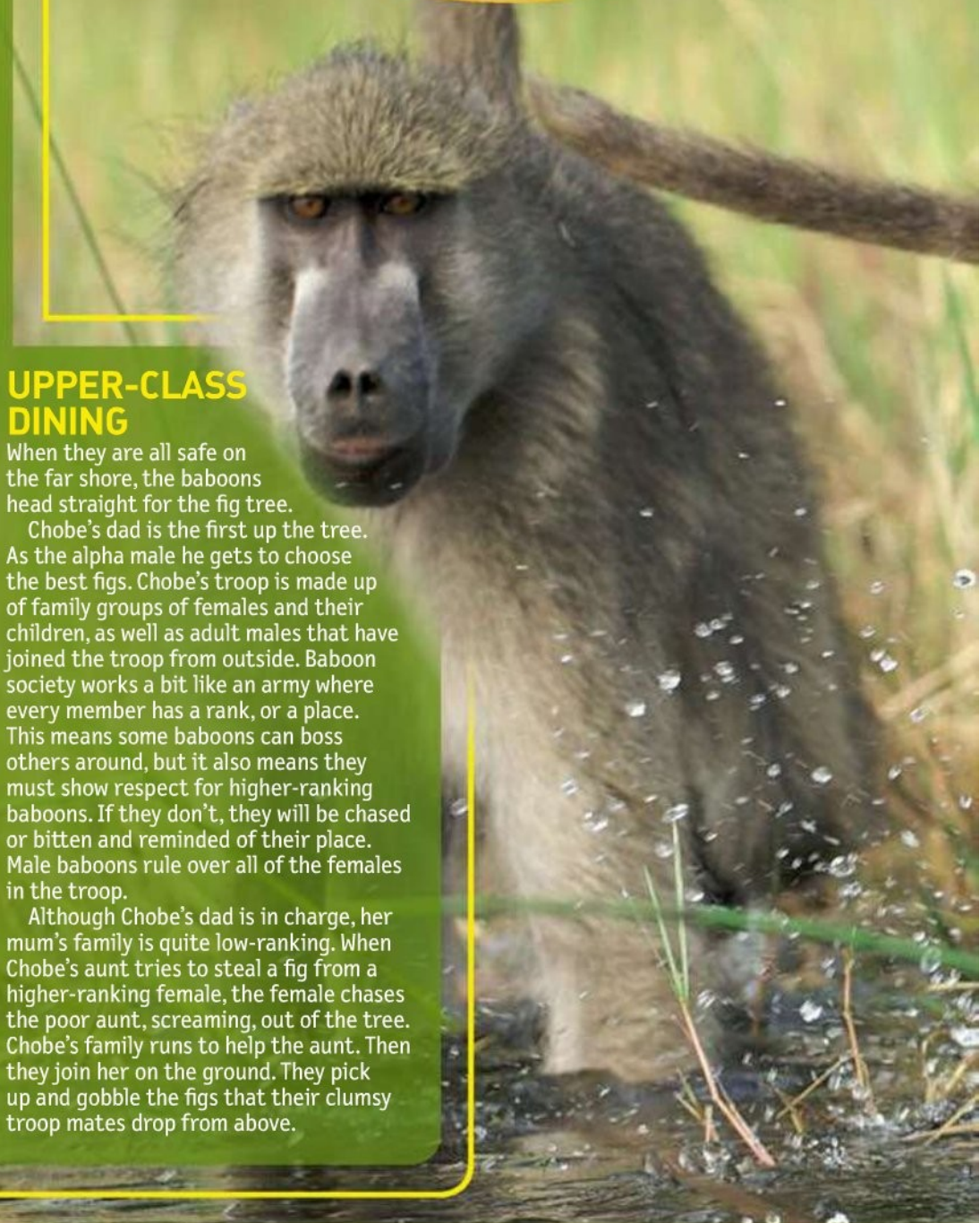
Each baboon has a favourite way to get across water. Chobe climbs on her mother's back and hitches a lift to the other side without getting wet. The newborn infant is not so lucky. It's difficult for his mother to keep him out of the water while he clings to her chest. So he gets dunked and drenched!

UPPER-CLASS DINING

When they are all safe on the far shore, the baboons head straight for the fig tree.

Chobe's dad is the first up the tree. As the alpha male he gets to choose the best figs. Chobe's troop is made up of family groups of females and their children, as well as adult males that have joined the troop from outside. Baboon society works a bit like an army where every member has a rank, or a place. This means some baboons can boss others around, but it also means they must show respect for higher-ranking baboons. If they don't, they will be chased or bitten and reminded of their place. Male baboons rule over all of the females in the troop.

Although Chobe's dad is in charge, her mum's family is quite low-ranking. When Chobe's aunt tries to steal a fig from a higher-ranking female, the female chases the poor aunt, screaming, out of the tree. Chobe's family runs to help the aunt. Then they join her on the ground. They pick up and gobble the figs that their clumsy troop mates drop from above.





UNFRIENDLY NEIGHBOURS

Baboons are not the only animals that like figs. They must share their meal with other Okavango residents like impalas and elephants. Sometimes greedy elephants want all the fruit for themselves. They shake their big heads and flap their enormous ears to chase the baboons away.

But this morning it's lions that scare the baboons from the tree. Chobe's dad spots the big cats from his treetop look-out. Baboons have very good eyesight and luckily the lions are still far away. Chobe's dad makes short, sharp barks to warn the others that there is danger. Lions prey on baboons. The troop must move to safety.

Chobe soon gets tired walking with the troop through the long grass. So she jumps onto her mum's back and rides like a jockey on a horse. She grabs at grass seeds and stuffs them into her mouth while her mum travels. This is Chobe's idea of drive-through takeaways!

BABOON BABBLE

While they walk, the baboons keep in constant contact by grunting to one another. That way no one gets lost in the tall grass. If a baboon happens to stray off on its own, it will give a sharp yelp that means, "I'm lost! Where are you guys?" Chobe has her own style of baby talk too. She makes a soft, "mmnuh... mmnuh" sound when she's asking for a cuddle, or to suckle from her mom.

SIESTA

By noon it becomes too hot for the baboons to look for food under the burning sun. The troop finds a shady spot to groom and snooze until the afternoon gets cooler. Then they get up and set off in the direction of their sleeping site, foraging as they walk.



HOME TIME

Chobe's troop has a few favourite places where they spend the night. All of the sleeping sites are in a forest of tall, sturdy trees standing close together. Baboons don't see well at night. But this is when their enemies, like lions and leopards, are out hunting. It's important for baboons to be near one another for safety. They must also get out of reach of these predators by sleeping up on the highest branches. The best bedrooms are in palm trees with long, prickly trunks that only a baboon can climb.

When the baboons arrive at their sleeping site, they relax before they climb up to bed. Most adults lie flat in the long, cool grass, fast asleep. Even the baboon kids are calm for a change, snoozing or suckling from their mums. This is when Chobe lets her mum, aunts or

grandmother inspect her fur and groom her. Sometimes she tries to groom them back, but her little fingers are rather clumsy.

SCORING THE TOP BUNK

When it starts to get dark, the troop begins to climb the trees. The higher-ranking baboons grab the best, tallest branches. Sometimes many baboons head up the same tree trunk together, causing a traffic jam. Chobe is still not strong enough to climb all the way on her own. She must wait for her mum to carry her up to bed. Soon the troop is tucked in for the night. They will not move from here until the sun rises. Then Chobe's dad will give the early morning "Wahoo" alarm clock call and another baboon day will begin.

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BEAR

Rescue

BY SCOTT ELDER

An orphaned cub grows up with the help of caring people and now lives free.

The terrified spectacled bear cub can't understand what just happened. A plane flying overhead lost control and slammed into the mountainside in northern Peru, crashing so close that the fiery explosion either killed or scared off her mother. It's a miracle she isn't hurt, but at just three months old the tiny cub doesn't know what to do next. Confused and hungry, the little bear searches near the burning wreckage for a mother that isn't coming back.

A local farmer rushes to the crash site to look for survivors. There are none, except for the cub. Rather than leave the helpless creature, which is about the size of a very small dog, he decides to take her home and raise her as a pet. After a few months the farmer realises that the living teddy bear he rescued will soon grow too large and powerful to live with safely. He surrenders the cub to wildlife authorities.

Spectacled bears—named for the cream-coloured markings that often ring their eyes—are a threatened species and

the only bear native to South America. Wildlife officials coordinate with the Chaparrí Reserve, an organisation that set up the first bear rescue centre in Peru. The cub is gently loaded into an animal crate and driven across the Andes Mountains, a 185-kilometre journey that takes an entire day.

"IT WAS LOVELY TO SEE her arrive in good condition," says Chaparrí scientific director Rob Williams. "A lot of the bears we get are in really bad shape." Inspired by her amazingly close call in the plane crash, the staff names her Milagros, which is Spanish for "miracles".

Now about six months old and weighing a healthy nine kilograms, Milagros waits in a quarantine cage until vet checkups and blood tests are completed. A week and a half later she's cleared to live among the centre's seven resident bears. But officials at Chaparrí have a much more ambitious goal for Milagros than just a healthy life in captivity: they hope she will be the first rescued spectacled bear in Peru to be released back into the wild.

To make that happen, Milagros must learn to act and think like a wild bear. She moves into a huge area of two hectares enclosed by a nearly invisible electrified fence. The land features ideal spectacled bear habitat: rocky terrain to explore, big trees to climb, and bushes that grow fruits that the bears normally eat.

A SUPPLEMENTARY diet of sweet potatoes, dried fish and special bear chow isn't simply put out in a bowl for Milagros. "We sort of catapult it in from the outside," Rob explains. "We used something called a huaraca (wah-RAH-kah), a traditional South American sling-shot. This prepared her to forage in a natural way." The food-flinging also reduces the need for interaction with humans, which has been strictly minimised



WAITING FOR A CHECKUP



since Milagros arrived.

"Milagros is a real climbing bear," says Rob. "She spent a lot of time in trees, looking over the valley and sometimes bouncing up and down on branches for fun."

Nearly five years after the plane crash, Milagros seems ready. To release her into the reserve, the staff simply opens the gate and the 40 kilogram adult bear walks out. They track her movement with a satellite collar. For the first few days Milagros stays close, but then she begins weekly long-distance explorations, gradually extending her range. Two years later, she is still regularly spotted with wild bears. During the dry season, Milagros returns to the rescue centre's valley, climbs a high tree and observes her old home—from the outside.

e



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Tsunami



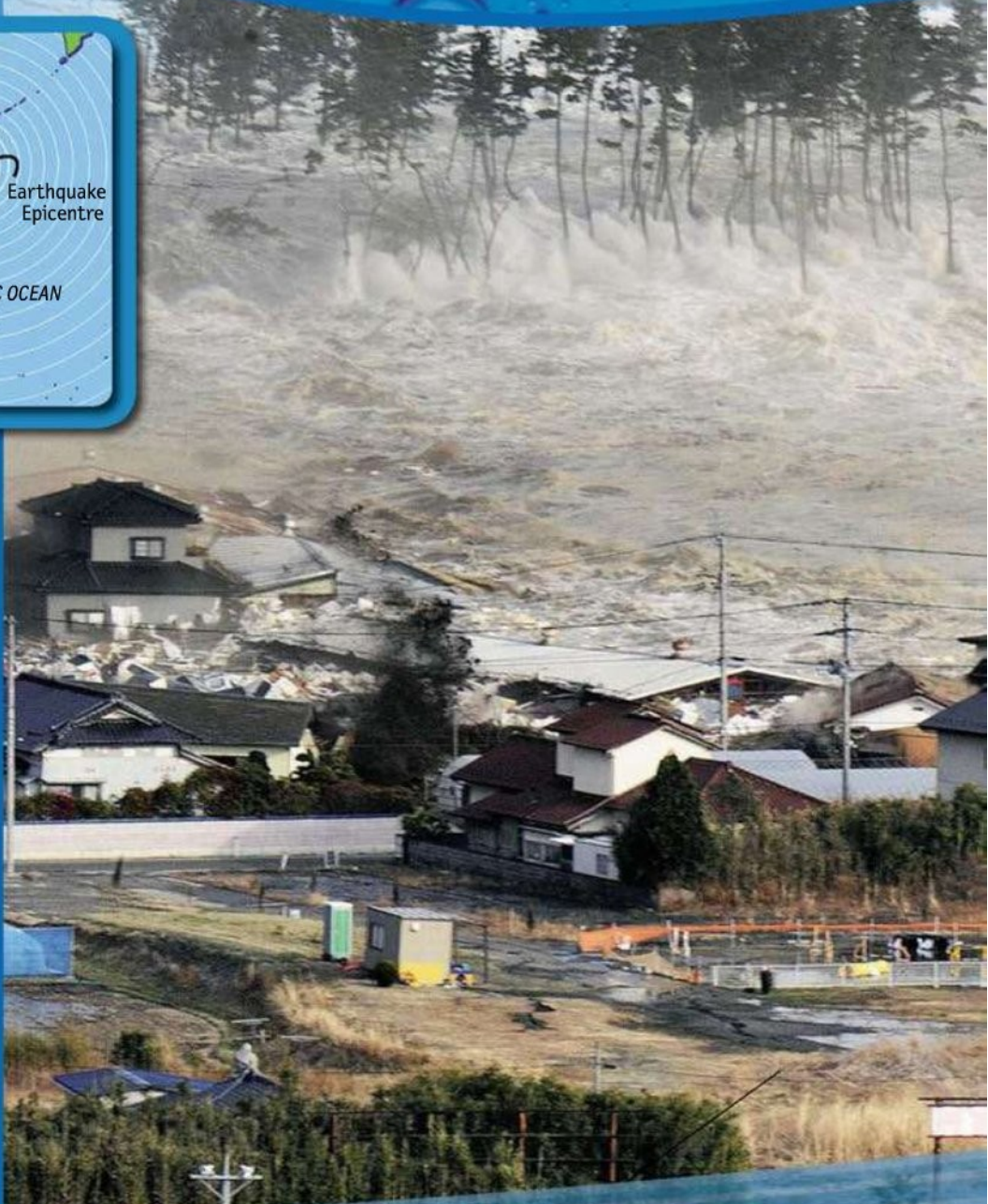
BY JANI COETZEE

On Friday 11 March 2011 the eastern coast of Japan started shaking. People took cover to avoid falling shelves and debris, frantically crawling under desks and tables. Luckily most of the buildings in the cities could withstand the shuddering 8.9 magnitude earthquake, the most powerful in Japan since 1900! But nothing could prepare them for what happened next.

FIRST WAVE

The epicentre of the earthquake was only 128 kilometres off the coast of an area called Sendai. Two tectonic plates meet at the Japan trench. The Pacific Plate moves about eight centimetres a year past the North American Plate but with a sudden and massive amount of energy this plate moved underneath the Pacific Plate, pushing the Pacific Ocean upwards. This caused the earthquake and the tsunami with waves moving from the epicentre at speeds up to 800 kilometres an hour to the Japanese coast.

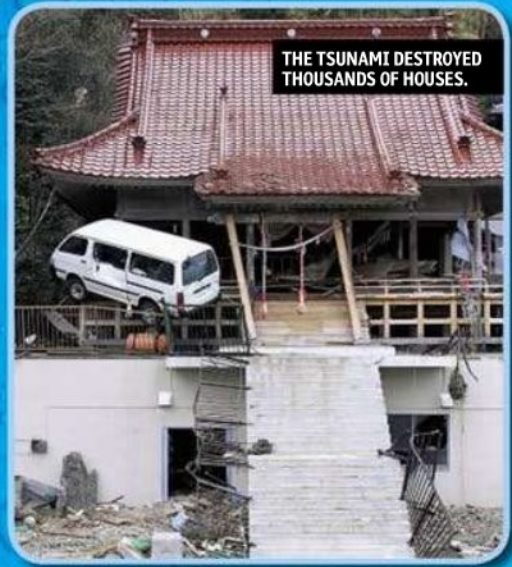
Closer to the shore the waves slowed down and rose up to six metres high.



Here are some **important** things to **know** about **tsunamis**:

MM!

Powers of Nature



1 Learn the warning signs nature provides. There is an earthquake or the ground rumbles. The sea suddenly pulls back and leaves bare sand, making the beach seem a lot larger. Animals behave strangely—they may suddenly flee or gather in groups.

2 Go to higher ground immediately. Don't climb into trees! Trees often get swept away in the wave. Rather climb up a steep hill or find a high and strong building and go to the top floor.

3 Leave your things. Your life is more important than toys, books and school supplies. Get to safety.

4 Stay away for several hours. A tsunami can continue to hit the shore for many hours, so the danger may not be over for a while.

Did You Know?
TSUNAMI IS A JAPANESE WORD. "TSU" MEANS HARBOUR, WHILE "NAMI" MEANS WAVE.



WHEN THE PEAK OF THE WAVE REACHES THE SHORE IT DOESN'T BREAK LIKE A NORMAL WAVE, BUT COMES IN LIKE A VERY HIGH TIDE.



THE COAST GUARD RESCUE TEAM RESCUED A DOG OFF THE COAST OF JAPAN. IT WAS FOUND DRIFTING ON THE REMAINS OF THE ROOF OF A HOUSE.

SEA MONSTERS

Tsunamis at sea are not the monster waves we imagine. The waves are mostly a few metres high and spread over hundreds of kilometres. It's only when the waves approach a shoreline, where the water is shallower, that they become narrow and higher. Waves have two parts: the peak and the trough. When a tsunami occurs, the trough is the first to arrive, causing the sea to recede far from the shore. When the peak of the wave reaches the shore it mostly doesn't break like a normal wave, but will come in like a very high tide.

In the case of the tsunami that hit the east coast of Japan, the waves travelled about nine kilometres inland and caused havoc and destruction as far as they went.

One of the biggest tsunamis ever was the one that hit the coastline off Indonesia in December 2004. The tsunami was caused by a staggering earthquake that measured 9.1 on the Richter scale.

On 22 May 1960 the strongest earthquake in recorded history occurred

off the coast of south central Chile in South America. Measuring 9.5 on the Richter scale, it triggered a tsunami that caused waves as high as 10 metres!

FREAK WAVES

Tsunamis are very rare. Oceans and coastal wave dynamics expert Professor Harry Yeh from Oregon University in America says: "A tsunami is really an intriguing phenomenon because it rarely happens. The wave itself is unique, resembling neither a storm wave nor a long, tidal wave."

Not all undersea earthquakes generate tsunamis. Some occur so deep in Earth's crust that they won't cause waves. They are most common in the Pacific Ocean, close to the high-risk earthquake area called the Pacific Ring of Fire. "Earthquakes below 7.5 or 7.0 usually do not trigger tsunamis," said geophysicist Don Blakeman of the Geological Survey's National Earthquake Information Center in America.

AFTER THE TSUNAMI

All over the world people rushed to help the tsunami's survivors. South Africa sent a 46-member team of rescue workers to help and other countries collected school supplies, blankets and food.

A lot of damage was done by the debris in the water, sweeping away cars and houses. More than 215 000 Japanese citizens are being taken care of in refugee camps. Organisations around the world are also helping all the animals affected by the tsunami. Donations are helping vets take care of the hurt and lost animals.

The disaster also had an effect on the planet. The main island of Japan shifted 2.4 metres and even the planet's axis shifted by several centimetres!

This sped up Earth's rotation, shortening each day by 1.8 microsecond. Geologists say these very small changes won't be seen for centuries.

GREATSTOCK (MAIN IMAGE); ISTOCKPHOTO (BACKGROUND); GETTY IMAGES (DOG)

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BY ERIN WHITMER

6 amazing facts about **Africa**

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a **thousand**
languages
are spoken in
Africa.

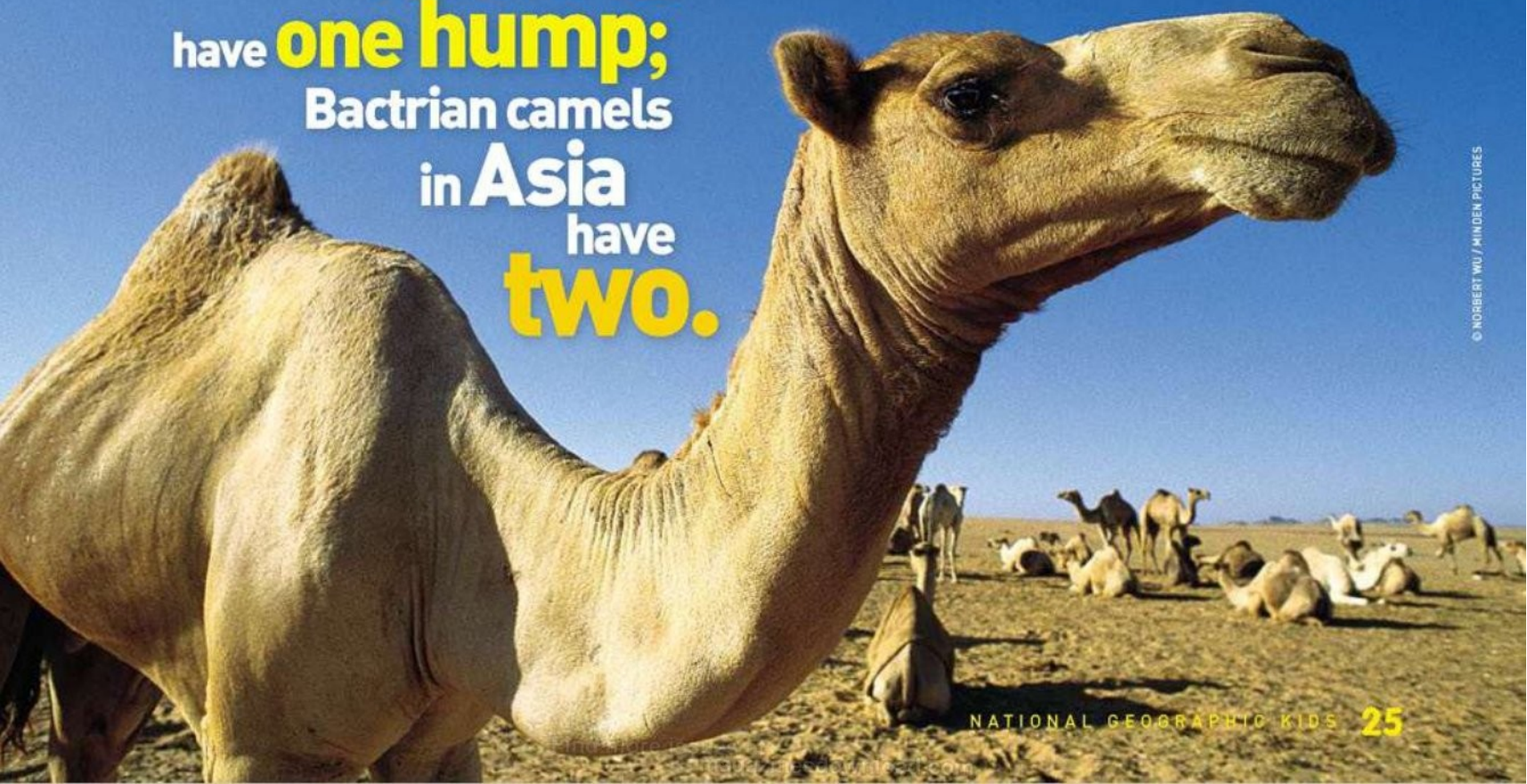
2 **Mummified**
crocodiles have been
discovered in ancient
Egyptian cemeteries.

3 Tanzania has the
world's largest
population of tree-
climbing **lions.**


4 Thrill-seeking tourists **sandboard** down giant
dunes on many of Africa's **beaches and deserts.**

5 **Africa's Arabian**
camels
have **one hump;**
Bactrian camels
in **Asia**
have
two.

6 Some scenes in the **Star Wars**
movies were filmed in **Tunisia.**



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Friendship	Button
Heart	Bear
Bees	Den
Spool	Fur
Paw	Hibernate

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N N H T H N H U H G H H
B E U F R H A R Q S B H
I I A P J P L T P A U P
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THE OCEAN QUAHOGS'S SHELLS FORM RINGS AS THEY GROW AND STUDYING THEM CAN TELL SCIENTISTS HOW OLD THEY ARE.

BY PIETER VAN DER LUGT

HAPPY BIRTHDAY

AND MANY, MANY, MANY MORE!

Which animal lives the **longest** and how old does it get? Here's a hint: its birthday parties are always **cold and wet ...**

Four years ago, 80 metres under the freezing cold waters around Iceland, divers picked up shells and live clams from the seabed. They brought them to the surface for a team doing research on climate change.

The clams were ocean quahogs. Their shells form rings as they grow and studying them can tell scientists how the climate and sea water has changed during the animal's life. The rings also reveal something else. Count them and you'll know how old the quahog is. One of the clams found that day by the team from Bangor University School of Ocean Sciences in Wales had 405 rings.

That meant the clam was 405 years old and the oldest living animal ever. The team named it Ming after the dynasty which ruled China until the seventeenth century when the clam was born.

This wasn't the first seriously old ocean quahog ever found and some scientists think there might be older ones. Ocean quahogs are the birthday champions of the animal kingdom!

Some other species live for a very long time as well. Let's find out who they are.



Happy BIRTHDAY!

BIG OLD BIRDS

The albatross lives longer than any other bird in the wild. The oldest one we know of was a northern royal albatross nicknamed Grandma. She got to 61 years before scientists lost track of her. Now the oldest living wild bird is Wisdom, a Laysan albatross living in the Midway Atoll National Wildlife Refuge in Hawaii. She's been banded five times – the first time in 1956 – so scientists have a pretty good idea of her age. Wisdom was spotted in February this year raising a chick. Thousands of albatrosses died when a tsunami hit the refuge in March, but Wisdom survived. She is at least sixty years old now.

Albatrosses don't just live a long time, they also fly an incredible number of kilometres. At her age Wisdom must have flown a good five million kilometres. That's about six return trips to the moon!

Birds live even longer in captivity. Some parrots can get to a hundred, cockatoos can reach 75 and macaws can last 70 years. A famous macaw called Charlie the Curser hatched in 1899 in England and is still around 112 years later. Some people say Charlie once belonged to Winston Churchill, who was England's prime minister during World War II. That might not be true – and Charlie isn't telling!

MIGHTY MAMMALS

In the same year Ming the quahog was found, whalers caught a bowhead whale near the coast of Alaska in North America. They discovered the head of a harpoon in the animal. Some detective work showed the harpoon was made around 1890 in New Bedford, America. That meant the whale survived a hunt more than a century before and was between 115 and 130 years old.

Scientists can look at the nucleus of a whale's eye to determine its age. Most of the animals caught by whalers are 60 to 70, but there has been a few who could have been 200 years old. The bowhead whale lives longer than any other mammal. It can be 20 metres long and weigh more than 150 tons. It doesn't migrate like other whales, but has all its birthdays at home in the Arctic waters.

THE BOWHEAD WHALE LIVES LONGER THAN ANY OTHER MAMMAL.

THE ALBATROSS LIVES LONGER THAN ANY OTHER BIRD IN THE WILD.



KOI FISH

FANCY FISH

Have you ever seen a pond full of fish that looked like huge goldfish with spotty, bright colours? They are called koi, which is the Japanese word for carp. People have been breeding koi for centuries in Japan and collectors will pay a lot for a koi with very special or unusual patterns and colours. Hopefully those expensive koi don't want fancy birthday gifts, because they can live up to 200 years. The oldest one ever was Hanako, who died in Japan in 1977 at the age of 226 years. Just think about it: she was born in 1751.

INCREDIBLE INSECT

Tarantulas can creep around for thirty years, but termite queens get more birthday cake than any other insect. They can live for fifty years and some lay thousands of eggs every day.



TARANTULA



A 150th BIRTHDAY IS NOTHING UNUSUAL FOR A TORTOISE.

ROYAL REPTILE

A 150th birthday is nothing unusual for a tortoise and some live quite a bit longer. In 1773 or 1777 (we're not sure) the British explorer captain James Cook gave the royal family of Tonga, an island in the Pacific, a cute little tortoise as a present. It was a Madagascar radiated tortoise and they named it Tu' Malila. He lived for 188 years! Experts are still trying to prove the age of another tortoise, named Adwaita, who is said to have been 256 years old.

**DOG
YEAR**

CAPTIVITY

Animals live longer in captivity than in the wild. "When an animal is in the zoo, we take a lot of stress out of its life," says Dominic Moss, executive manager of conservation and research at the Johannesburg Zoo. "They get food all the time, they're not chased or hunted or exposed to changes in the environment. They have a balanced diet and medicine when they need it."

Animals in the wild seldom get as old as they could. "As soon as an animal in the wild can't see well or keep up with the others, it becomes prey," Dominic says.

Goldfish

10 years

Tortoise

75 years

Horse

18 years

Rabbit

9 years

PET LIFE

Here's the average age for the most popular pets.

Cat

14 years

Guinea pig

6 years

Dog

12,8 years

Parrot

22,7 years

Hamster

3 years

Mouse

2 years

DOG YEARS

People say one dog year equals seven human years. Multiply your dog's age by seven and you know how old it would have been as a human. What's wrong with that formula? Quite a lot, says Stanley Coren, a professor of psychology at the University of British Columbia in Canada who has written many books on dogs. It assumes people live to seventy and dogs live to ten years. But people live longer now and things like size play a part in how long a dog might live.

Stanley came up with a better formula for dog years. In his system, a year-old dog is like a 16-year-old human. At two years the dog is like a 24-year-old human and for the next three years (until the dog reaches five) each year is five human years.

Beyond age five the dog's size plays a part. Small dogs usually live longer than large ones. For small dogs you add four human years for every dog year over five. For large dogs you add six human years for every dog year over five.



Age of dog	1	2	3	4	5	6	7	8	9	10
Small dog - human years	16	24	29	34	39	43	47	51	55	59
Big dog - human years	16	24	29	34	39	45	51	57	63	69



SOLDIERS DRAG CAPTAIN JACK TO KING GEORGE.

Behind the Scenes of the New Movie

PIRATE OF THE CARIBBEAN *On Stranger*

BY JOHNNA RIZZO

In *Pirates of the Caribbean: On Stranger Tides*, Captain Jack Sparrow sets sail to find the secret to living forever: the Fountain of Youth. Along the way, Jack battles zombies, crosses his enemy Captain Barbossa and becomes a prisoner of the fiendish pirate Blackbeard. Would real pirates and sailors have experienced similar high-seas hijinks? NG KIDS turns the tide on the fourth movie in the series to find out.



JACK AND ANGELICA SEARCH THE JUNGLE FOR THE FOUNTAIN OF YOUTH.



While filming in Hawaii, 773 coconut trees were harvested to prevent the heavy fruit from falling on the heads of the cast and crew. Local officials approved the harvest and all the coconuts were given to local residents.

KIDNAPPED!

Captain Jack and his former lady love Angelica jump into the Thames River to escape pesky British soldiers. As they bob along, a zombie pirate blows a drugged dart into Jack's neck. When he wakes up, he's imprisoned on Blackbeard's ship and forced to swab the decks. It was reported in mid-January 2011 that a team of archaeologists discovered fragments of what could be Blackbeard's sword while excavating his flagship, the Queen Anne's Revenge, off the coast of North Carolina, America — where it ran aground in the eighteenth century.

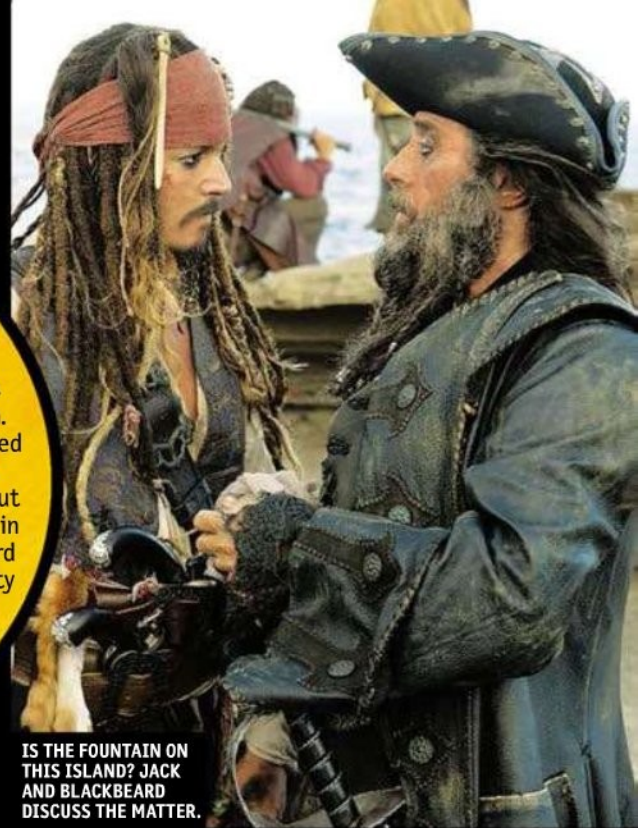
PETER MOUNTAIN / © DISNEY ENTERPRISES, INC. ALL RIGHTS RESERVED. (ALL IMAGES)

S AN: Tides



SHIPSHAPE

Blackbeard decorates his ship with the bones of his enemies. "The whole thing is covered with skulls and chest bones and leg bones," says art director Tomas Voth. The real Blackbeard—an actual pirate who ruled the seas about 300 years ago—didn't flaunt bones on his ship, the *Queen Anne's Revenge*, but he did make it ferocious. After he captured it in battle, he added 26 cannons. Blackbeard (real name: Edward Teach) was pretty scary himself. He strapped pistols and knives across his chest and occasionally lit cannon fuses under his hat to terrify his enemies.



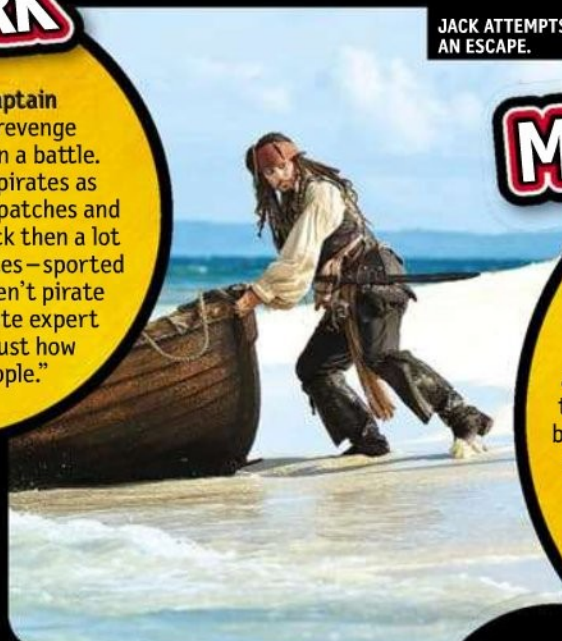
IS THE FOUNTAIN ON THIS ISLAND? JACK AND BLACKBEARD DISCUSS THE MATTER.

LEGWORK

The peg-legged Captain Barbossa is out for revenge after he loses his leg in a battle. People often think of pirates as having wooden legs, eyepatches and hooks for hands. But back then a lot of people—not just pirates—sport those looks. "They weren't pirate trademarks," says pirate expert Ken Kinkor. "That's just how doctors fixed people."



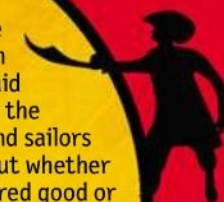
JACK LEAPS ONTO THE BACK OF A CARRIAGE TO FLEE FROM BRITISH SOLDIERS.



JACK ATTEMPTS AN ESCAPE.

MERMAID BAIT

Blackbeard needs to capture a mermaid to start the Fountain of Youth, so he ensnares the mermaid Syrena in a net when she comes to the surface of the water. Real pirates and sailors also believed in mermaids, Ken says. But whether the half women, half fish were considered good or bad creatures depended on the sailor. For example, sailors in the British Isles feared that mermaids would drown them; Japanese sailors believed that eating one would give them eternal life. What were those sailors actually seeing? Some historians think that people mistook manatees for mermaids.



The actress playing Syrena the mermaid couldn't swim on her days off. Why? She had to keep out of the sun to stay pale for her role.

MYTH BUSTED!

While looking for the Fountain of Youth, Jack spots the shipwrecked *Santiago*, the ship of Spanish explorer Ponce de León. Although many people think the real Ponce was searching for the Fountain of Youth, no evidence exists that he ever did. The explorer never mentioned the fountain in his journals and it became connected with his travels only after his death. In 1513 he became the first European to discover Florida, and before that he sailed with Christopher Columbus.



THIS CUP MIGHT BE MAGIC. OR IT MIGHT BE JUST A CUP.

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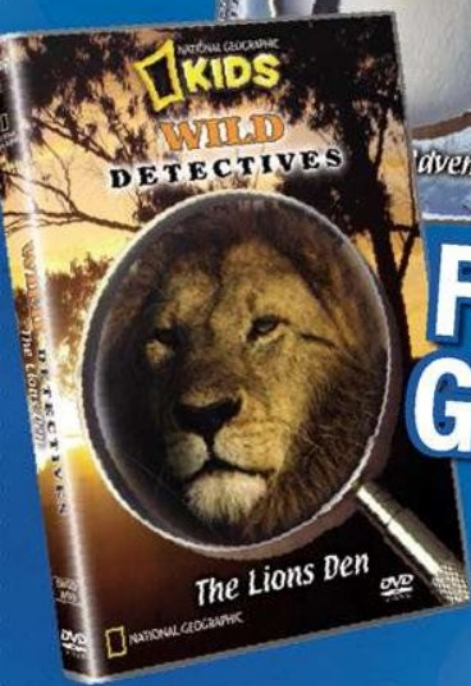
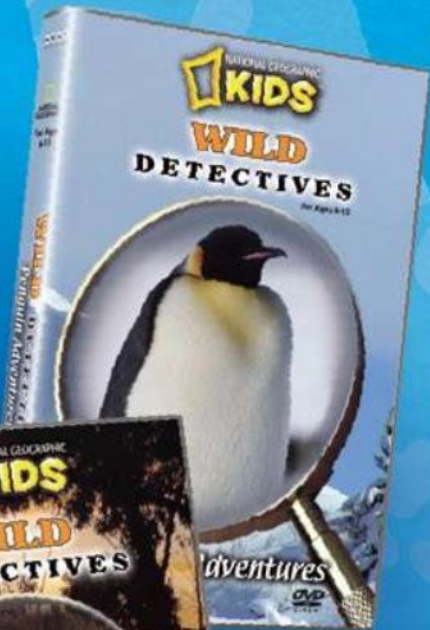
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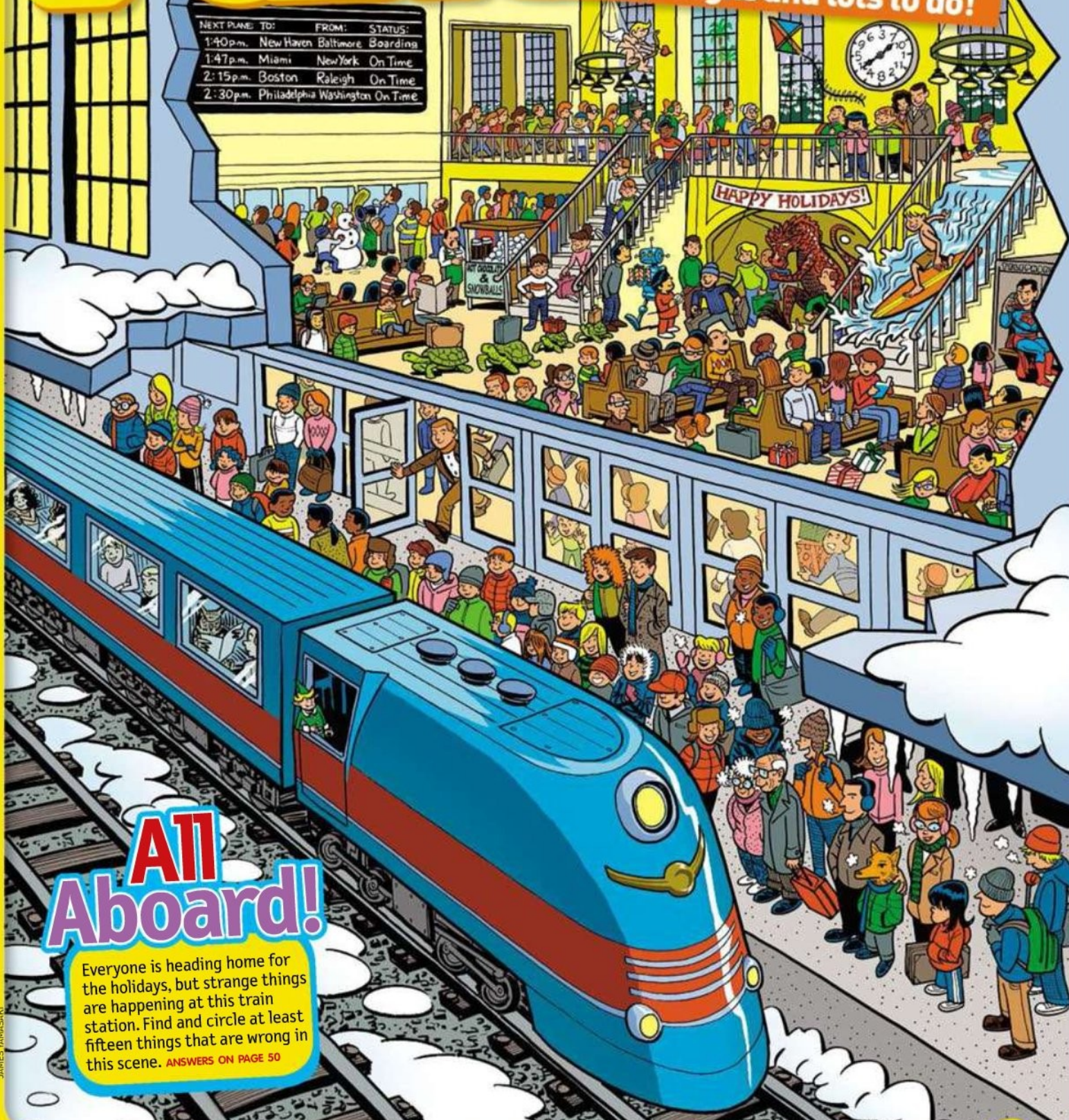
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2:15 p.m.	Boston	Raleigh On Time
2:30 p.m.	Philadelphia	Washington On Time



All Aboard!

Everyone is heading home for the holidays, but strange things are happening at this train station. Find and circle at least fifteen things that are wrong in this scene. **ANSWERS ON PAGE 50**

JAMES YAMASAKI

What in the World?

FUNNY FACES

These photographs show close-up and faraway views of things that look like faces. Unscramble the letters to identify each picture. **Bonus:** use the highlighted letters to solve the puzzle below.

ANSWERS ON PAGE 50



O L O P S T Y O



R A E L O P A N E



A C E L H S E S O



S A R I F S T H



D A B E R



O G F L S R U C E O



Z I P A Z



A T R G R E



T M H O

HINT: When it's your turn in front of the camera, you might do this.

ANSWER: _____ " C " _____

TOP ROW (LEFT TO RIGHT): © BETH A. KEISER / CORBIS; NEWS.COM / CB2 / ZOB; BARRY B. BROWN / WILD HORIZONS.
MIDDLE ROW (LEFT TO RIGHT): CONNIE COLEMAN / GETTY IMAGES; NEIL SOBERS/TROM; SYBILLE ALLGAIER.
BOTTOM ROW (LEFT TO RIGHT): © IMAGE SOURCE / CORBIS; © HELENE ROGERS / TRIP / ASK IMAGES; DAVID LIEBMAN PINK GUPPY.

NG KIDS
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MXIT
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great jokes!

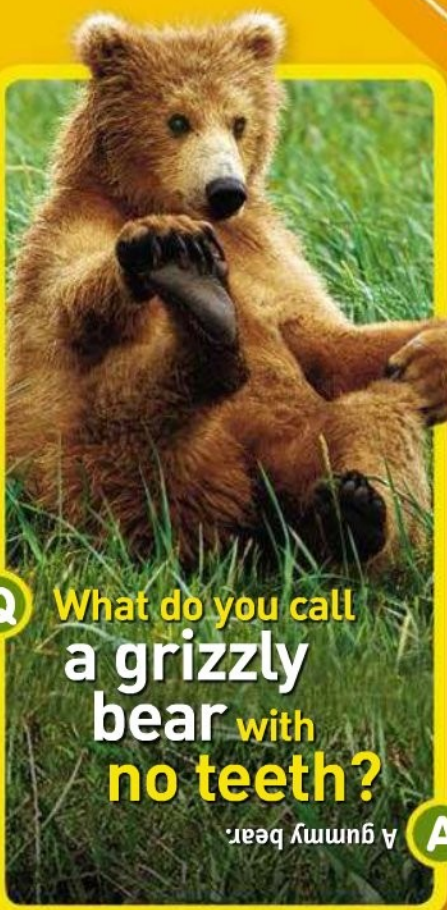
Sea otter

Just Joking



**KNOCK,
KNOCK.**

Who's there?
Ewan.
Ewan who?
It's just me.



Q What do you call
a grizzly
bear with
no teeth?

A A gummy bear.

Q How are two
banana peels
like shoes?



A They're a pair of slippers.

**TONGUE
TWISTER!**



Say this fast three times:

**Rolling red wagons race
wildly down roads.**

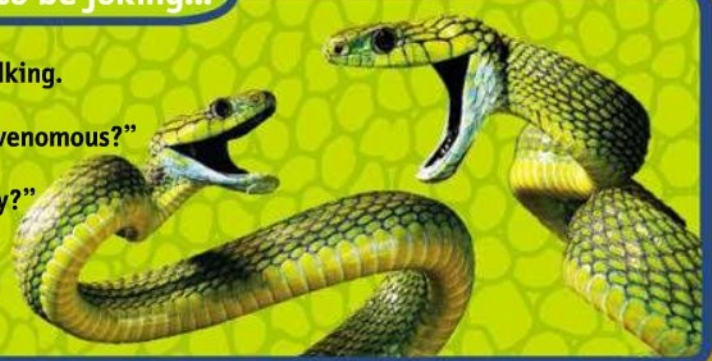
You've got to be joking...

Two snakes are talking.

SNAKE 1: "Are we venomous?"

SNAKE 2: "Yes, why?"

SNAKE 1: "I just
bit my lip."



© SUZI ESZTERHAS / MINDEN PICTURES (SEA OTTER, BEAR); © EXACTO STOCK / SUPERSTOCK (BANANA PEELS);
© FOTDSEARCH / SUPERSTOCK (WAGON); © STEPHEN DALTON / NHPA / PHOTOSHOT (SNAKES), IMAGE DIGITALLY COMPOSED

NATIONAL GEOGRAPHIC KIDS ANIMAL JAM

Movie Night

Six movies are playing at the cinema. Using the clues below, figure out which film Greely the wolf watched.

CLUES

1. Greely likes films about wolves but not films about werewolves.
2. He enjoys watching movies in 3-D but only if they're action films.
3. Greely likes comedies but not clowns.
4. He's not allowed to see a movie rated PG-13.
5. Greely hates romances.

ANSWER ON PAGE 50



We Gave It a Swirl

Use the clues below to figure out which animals appear in these swirled pictures. ANSWERS ON PAGE 50

1



HINT: A bright beak makes this South American native stand out in the trees.

2



HINT: It wears a fur coat even during summer.

3



HINT: Instead of legs, this underwater creature uses five arms to get around.

4



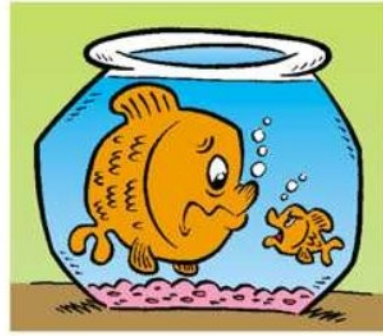
HINT: Its unique pattern actually helps this animal blend in at a family reunion.

5



HINT: If someone tells you this marine mammal loves to swim, they're not "lion."

The Funnies



YOU KNOW,
HALF THE
FOOD THEY
SPRINKLE IN
HERE IS FOR
ME!



"MY DOG DELETED MY HOMEWORK
FROM MY HARD DRIVE!"



"WHATEVER YOU DO, DON'T EVER
CHALLENGE HIM TO A STARING CONTEST!"



SIGNS OF THE TIMES

Seeing isn't always believing. Two of these funny signs are not real. Can you figure out which are fake?

ANSWER ON PAGE 50

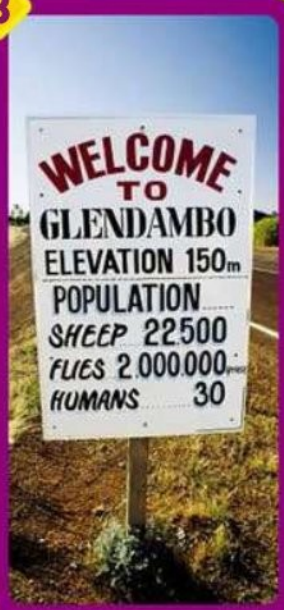
1



2



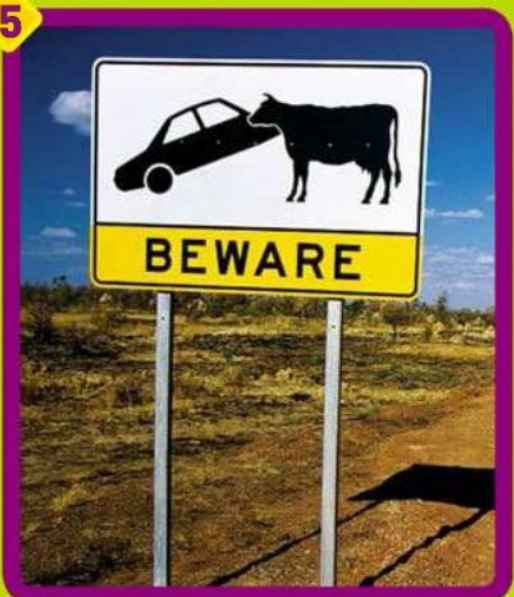
3



4



5



6



7



© GREG ELMS / LONELY PLANET IMAGES (1); BRIAN SUMMERS / GETTY IMAGES (2); JASON EDWARDS / NATIONAL GEOGRAPHIC STOCK (3); RICHARD CUMMINS / LONELY PLANET IMAGES, IMAGE DIGITALLY COMPOSED (4); © PETER PYSCHELINZEV / LONELY PLANET IMAGES (5); WENDY WHITE / HOT TOPIC IMAGES (6); JOSEPH SOHR / VISIONS OF AMERICA / GETTY IMAGES (7)

Bostik Boredom Busters

Bostik Crazy Clay is easy to mould AND you can EXPERIMENT with different techniques.

Bostik has a cool Art and Craft range. Go crazy with Crazy Clay, add a bit of "bling" with stars, diamanté and hearts from the Bling Bitz wheel or some glitter with Glitter Glue pens. Make sure it's well stuck with Blits Stik Super Glue Gel or stick it again and again with Prestik. The possibilities are endless.

THREE ANIMAL FRIDGE MAGNETS

Make a Cute Pig

Step 1 Make a pink colour

Make just the right shade of piggy pink for the pig fridge magnet by mixing blobs of white and red with a little yellow clay.



HINT: THEY MAKE GREAT PRESENTS FOR FATHER'S DAY!



Step 2 Make your animal

For a pig you need a flattened ball of Bostik Crazy Clay for the head, a smaller one for the snout, two flappy ears (use the marbling effect), two tiny blobs of black Crazy Clay for the nostrils and two wiggly eyes from the Bostik Bling Bitz.



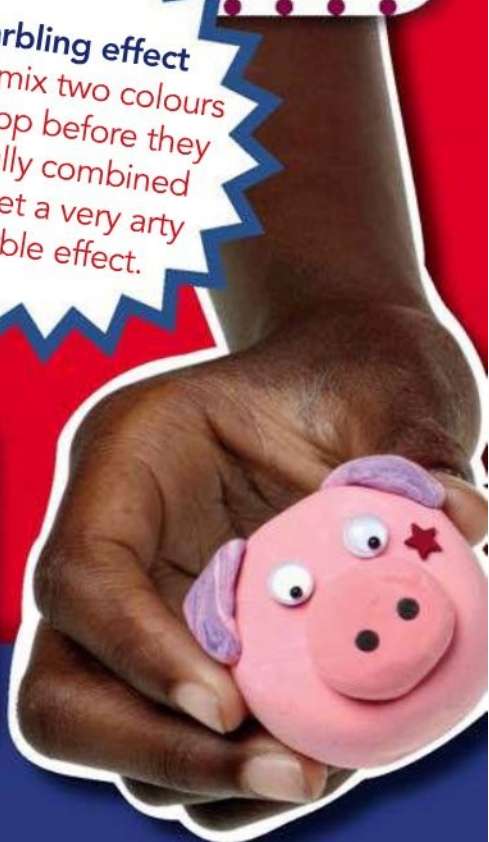
Step 3 Complete the craft

Press the ears, snout and nostrils onto the head. Use Bostik Blits Stik Super Glue Gel to glue on the eyes. Lastly glue the magnet to the back of the animal face. Allow to dry.



Marbling effect

If you mix two colours but stop before they are fully combined you get a very arty marble effect.



Bostik
Don't just stick it. Bostik it.

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A DOORKNOB SWING TAG

Step 1 Cut out a piece of card and paint it green.



Step 2 Using Bostik Clear Gel, glue ice-cream sticks to the board. This makes them nice and stiff. Remember to stick one across the top.



Step 3 Paint the swing tag.

Step 4 Cut out bug shapes from cardboard. We made a caterpillar, a butterfly and a ladybird.



Step 5 Stick shapes together using Bostik Glue Stick.



Step 6 Decorate bugs with stars, hearts and wiggly eyes from the Bostik Bling Bitz wheel or with a Bostik Glitter Glue pen. Glue them onto the green swing tag.



Step 7 Make a panel at the top so that you can attach different messages to it. Stick the message to the panel with Prestik.



ATTACH THE THREAD AND LOOP IT OVER A DOORKNOB.



Photo Funnies

I guess it's time we got a cell phone.

What do YOU think the elephant is thinking?



1. Fill in the thought balloon.
2. Cut out the entire picture (or make a photocopy of it).
3. Mail it along with your name, address, phone number and date of birth to NG KIDS Photo Funnies, P.O. Box 2271, Cape Town 8000. Selection for publication in a future issue will be at the discretion of NG KIDS.

HAYDON JONES / REK USA (ELEPHANTS); © WAYNE HUTCHINSON / AGSTOCK IMAGES / CORBIS (SHEEP)



From the March Issue

I wonder if this will catch on?

Zoë Hartwig, 6, East London

I'm not ready to go to space!

Elisheva Fihrer, 12, Waverley

They will never find me under here!

Mohammed Hassan Royker, 11, Crawford

Hey guys, I found breakfast!

Matthew Eaton, 11, Cape Town

So ... do you like my Halloween costume?

Samantha Parle, 11, Westville

Whoever pranked me by putting a bucket on my head is a baaaad sheep!

Luca Rossi, 11, Johannesburg

Don't kick the bucket!

Wessel le Roux, 10, Pretoria

Do you like my new hair style?

Zandi Smith, 9, Krugersdorp

FUN factory

PLAYTIME



WIN A GAME!

You can win one of three copies of *Nintendogs + Cats* or *Pilotwings 3DS SMS** followed by your name, age and address to 34970.

Nintendo Nintendo 3DS

The 3DS lets you experience full 3-D games, movies and photography without the use of special glasses.

It comes with awesome free mini-games and software like *Face Raiders* where you take a shot of your face, place it on a flying character and pop balls into its mouth while it flies around your room.

Take 3-D photographs of your friends and family and wow those around you with games that jump out of the screen in full three dimension.

The top screen has the ability to go from 2-D to 3-D with the slide of a button, so if you don't like the 3-D effect, simply pull the depth slider all the way down and enjoy the same games you've always loved with better sound, graphics and features.

You can play all your own DS games on it as well! – Emil Papp



NINTENDOGS + CATS

This adorable game uses the 3DS's outer cameras to make it look like your very own Nintendog or cat is living around you in your home. With the 3Ds it is possible to have your pet jump out and lick the screen or throw him or her a ball. Watch your pet run down the room in full 3D to catch up. See the suds build up when you give him a bath, but careful – you might get wet!



PILOTWINGS RESORT

You'll feel like a true sports pilot with this collection of around 40 sky bound missions and challenges. Start with free flight mode to get the hang of your plane or jet pack and explore 3-D terrains and hidden treasures. Looking for a challenge? Select mission flight mode and complete a series of difficult challenges.



WATCH LIST

Animals United

When Meerkat Billy has trouble finding water for him and his family, all the animals in the Kalahari desert gets really worried. Even the wise elephant cow Angie wonders what happened to the water.

Meanwhile, polar bear Sushi, turtles Winston and Willie and kangaroo Toby are fed-up with humans destroying their habitats. They go on a mission to find the human-less, untouched paradise migrating birds told them about. They all meet up in Africa and soon realise that humans built a dam that is taking all their water away. Together they decide to take on the humans and destroy the dam!

In real life the Kalahari is one of the driest places on Earth. The word Kalahari comes from the Tswana word *Kgala*, meaning "the great thirst", or *Khalagari*, meaning "a waterless place". The desert is covered in red sand with no permanent surface water. *Animals United* opens 27 May 2011.



Yogi Bear

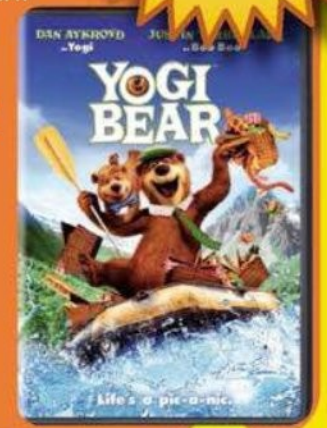
Yogi and Boo-Boo spend their days stealing picnic baskets from Jellystone Park visitors. For them, life is good. But when the

evil Mayor Brown decides to turn their park into a logging site, they have to do everything they can to save their home. With the help of Ranger Smith and a documentary filmmaker named Rachel, their mission soon turns out to be quite an adventure!

Yogi Bear is out on DVD on 16 May 2011. – Jani Coetzee

Did You Know?

Yogi Bear made his debut as a character in 1958!



WIN A HAMPER!

You can win one of three *Yogi Bear* hampers. SMS* "NGK Yogi" followed by your name, age and address to 34970.

WIN A HAMPER!

You can win one of three *Animals United* hampers. SMS* "NGK Animals" followed by your name, age and address to 34970.

*Ask an adult's permission first! Standard SMS rates apply. Free SMSs don't apply.

Find the HIDDEN ANIMALS



A



B



C



D

ANIMALS OFTEN BLEND into their environments for protection. Find the animals listed below in the photographs. Write the letter of the correct photo next to each animal's name. **ANSWERS ON PAGE 50**

1. giraffe _____
2. snake _____
3. spider _____
4. fish _____
5. tiger _____
6. praying mantis _____



E



F

PAUL NICKLEN / NATIONAL GEOGRAPHIC STOCK (A); © BILL COSTER / ARDEA (B); © DULLC / CORBIS (C); © MICHAEL & PATRICIA FOGDEN / MINDEN PICTURES (D); © MICHAEL NICHOLS / NATIONAL GEOGRAPHIC STOCK (E); © THOMAS MARENT / ARDEA (F)

Art Zone

The Boerewors
Emma Walton, 9,
Capri



SA Snowman
Cale Kiefer, 8,
Alberton

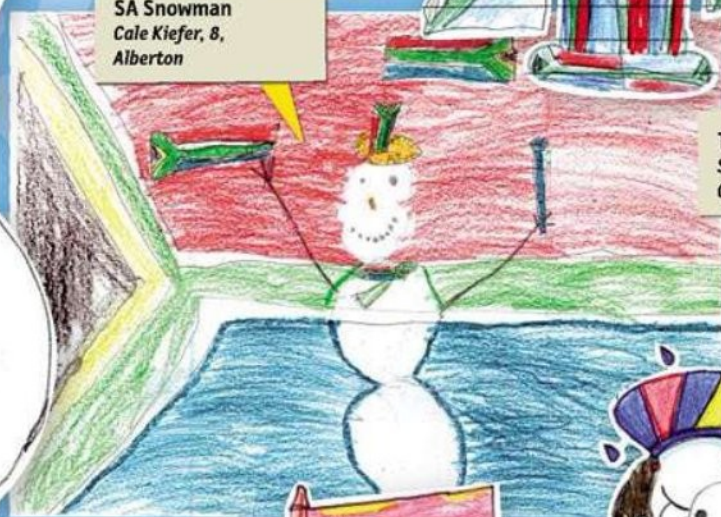
Can you imagine a snowman in South Africa? Our readers sure can!



Truly SA
Sarah Galvin, 12,
George



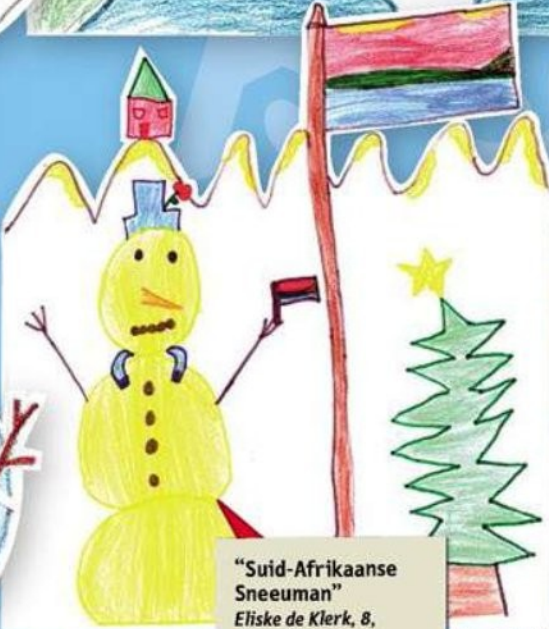
A muddy Snowman
Kate Munro, 11,
Somerset West



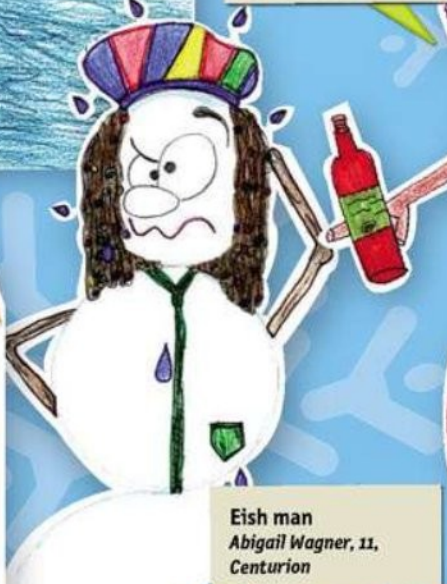
"Sneuman-boer"
Christel Theron, 10,
Merweville



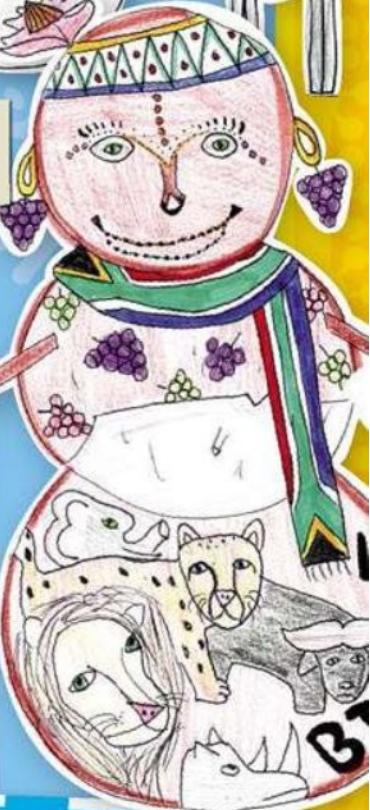
Proudly SA
Kate Meades, 8,
Port Elizabeth



"Suid-Afrikaanse Sneuman"
Eliske de Klerk, 8,
Brakpan



Eish man
Abigail Wagner, 11,
Centurion



Answers



"All Aboard!" (page 37):

- 1. toucan; 2. polar bear; 3. starfish; 4. zebra; 5. sea lion. (page 38):
- Top row: pool toys, aeroplane; shoelaces. Middle row: starfish, bread, golf course; Bottom row: pizza. (page 40):
- Bonus: Soy "cheese"; "Move Night" (page 40); "Stump Your Parents" (page 48); 1. C, 2. D, 3. F, 4. A, 5. E, 6. B. (page 49):
- "We Gave It a Swirl" (page 41): 1. D, 2. C, 3. B, 4. D, 5. A, 6. B, 7. D, 8. A, 9. D, 10. C.

DRAW a picture of an alien insect.

Send your original drawings to The Editor at NG KIDS, P.O. Box 2271, Cape Town 8000. Include your name, address, phone number, date of birth, a title for your drawing, a statement that it is your own work and the name of your parent or guardian. Your parent or guardian must sign a release for publication of your illustration. Submissions become the property of the National Geographic Society, and all rights thereto are transferred to the National Geographic Society. Submissions cannot be acknowledged or returned. Selection will be at the discretion of NG KIDS.



DREAMWORKS

KUNG FU PANDA 2

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